

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A computer storage medium having instructions for validating data in a database system, the instructions comprising:

instantiating a property of a first object as a second object, wherein the second object is a representation of the property in object form includes a reference to a collection of constraint information, the constraint information being stored separate from the second object; and

~~obtaining constraint information pertaining to the property to be validated; and~~

~~applying the constraint information to a property of the second object to ascertain if the property is validated.~~

2. (Previously Presented) The computer storage medium of claim 1

wherein the constraint information comprises a function of the value of the property, and wherein applying constraint information comprises comparing a received value for the property to the constraint information.

3. (Previously Presented) The computer storage medium of claim 1 wherein the constraint information comprises a function of status of a second property, and wherein applying constraint information comprises examining the status of the second property.

4. (Previously Presented) The computer storage medium of claim 3 wherein the status of the second property comprises whether its value can be changed.

5. (Previously Presented) The computer storage medium of claim 4 wherein the status of the second property comprises whether its value is valid.

6. (Previously Presented) The computer storage medium of claim 1 and further comprising setting the value of the property if the constraint information is met.

7. (Previously Presented) The computer storage medium of claim 6 and further comprising issuing an event indicating the property is valid.
8. (Previously Presented) The computer storage medium of claim 1 and further comprising issuing an exception if the constraint information is not met.
9. (Previously Presented) The computer storage medium of claim 1 and further comprising issuing an event indicating the property value is changing.
10. (Previously Presented) The computer storage medium of claim 1 and further comprising issuing an event indicating whether the property value is changeable.
11. (Previously Presented) The computer storage medium of claim 1 and further comprising obtaining a current value of the property.
12. (Currently Amended) A computer storage medium having instructions comprising a framework for validating data in a database system, the instructions comprising:
  - identifying at least one property of an entity to be validated;
  - identifying constraint information to be used for ascertaining if said at least one property is valid; and
  - forming an object of said at least one property, ~~upon execution of said instructions in order to perform validation wherein identifying comprises referencing a reference stored within the object, the reference being indicative of the constraint information which is stored outside of the object itself.~~
13. (Previously Presented) The computer storage medium of claim 12 and further comprising identifying a validator of a function of a type of said at least one property, the validator being of a class of validators.

14. (Previously Presented) The computer storage medium of claim 12 and further comprising identifying events to be issued during validation.
15. (Previously Presented) The computer storage medium of claim 14 wherein an event to be issued comprises a notification that a value of the property is changing.
16. (Previously Presented) The computer storage medium of claim 14 wherein an event to be issued comprises a notification that a value of the property has changed.
17. (Previously Presented) The computer storage medium of claim 14 wherein an event to be issued comprises a status of the property has changed.
18. (Previously Presented) The computer storage medium of claim 17 wherein the status comprises whether the value of the property is changeable.
19. (Previously Presented) The computer storage medium of claim 18 wherein the status comprises whether the value of the property is valid.
20. (Previously Presented) The computer storage medium of claim 12 wherein identifying constraint information comprises identifying valid criteria for a value of the property.
21. (Previously Presented) The computer storage medium of claim 12 wherein identifying constraint information comprises identifying criteria of when a value of the property can be changed.
22. (Previously Presented) The computer storage medium of claim 21 wherein the criteria identifies that the value can be changed anytime upon execution of the instructions.

23. (Previously Presented) The computer storage medium of claim 21 wherein the criteria identifies that the value can be changed as a function of creation of a corresponding entity.

25. (Previously Presented) The computer storage medium of claim 21 wherein the criteria identifies that the value can be changed as a function of a status value of another property.

26. (Previously Presented) The computer storage medium of claim 25 wherein the status value comprises whether said another property is changeable.

27. (Previously Presented) The computer storage medium of claim 26 wherein the status value comprises whether said another property is valid.